

1     CLAIMS

2

3           1.     A method comprising:

4           identifying the location of a user;

5           determining available communication networks that provide

6           communication services to the user;

7           selecting a particular communication network from the available

8           communication networks; and

9           sending instructions to service providers providing communication services

10          to the user to forward calls to the particular communication network that is

11          selected.

12

13          2.     The method of claim 1 wherein the identifying is performed by

14          locating a wireless communication device with the user.

15

16          3.     The method of claim 2 wherein the wireless communication device

17          is a cellular telephone.

18

19          4.     The method of claim 2 wherein the wireless communication device

20          is a personal digital assistant.

21

22          5.     The method of claim 2 wherein the wireless communication device

23          connects to and identifies a cellular network.

24

25

1           6.     The method of claim 2 wherein the wireless communication device  
2 connects to and identifies a wireless area network.

3  
4           7.     The method of claim 1 wherein the selecting a particular  
5 communication network is a plain old telephone system (POTS) communication  
6 network.

7  
8           8.     The method of claim 3 wherein the wireless communication device  
9 connects to and identifies a wireless area network

10  
11          9.     The method of claim 1 wherein the selecting the particular  
12 communication network is based on cost to operate.

13  
14          10.    The method of claim 1 wherein the selecting the particular  
15 communication network is based on quality of service.

16  
17          11.    A method comprising:  
18           locating a wireless communication device;  
19           identifying communication services available to the wireless  
20 communication device; and  
21           prearranging with service providers to forward calls to a carrier network if  
22 communication service is not available to the wireless communication device.

23  
24          12.    The method of claim 11 wherein the prearranging with service  
25 providers is to forward calls to a second communication device.

1  
2 13. The method of claim 11 wherein the prearranging with service  
3 providers is to forward calls to a voice mail system of a particular communication  
4 service.

5  
6 14. A method comprising:  
7 connecting a wireless communication device to a wireless area network  
8 through an access point;  
9 identifying the wireless area network to the wireless communication  
10 device; and  
11 forwarding calls to a communication device on the wireless area network  
12 accessible by a user.

13  
14 15. The method of claim 14 wherein the forwarding calls is to a POTS  
15 telephone.

16  
17 16. The method of claim 14 wherein the forwarding calls is to a voice  
18 over Internet (VoIP) telephone.

19  
20 17. A wireless communication device comprising:  
21 a processor;  
22 an antenna module configured to receive multiple radio frequency (RF)  
23 signals;  
24 an analog to digital converter executable on the processor and configured to  
25 convert the RF signals to digital signal information used by the processor; and

1 instructions stored in a memory executable on the processor to store  
2 location communication networks available to a user and determine from the  
3 digital signal information available communication networks to the user.

4  
5 18. The wireless communication device of claim 17 wherein the  
6 instructions are further comprised to send call forwarding instructions to service  
7 providers based on conditions set by the user.

8  
9 19. The wireless communication device of claim 18 wherein the call  
10 forwarding instructions are to forward calls to a particular carrier network.

11  
12 20. The wireless communication device of claim 18 wherein the  
13 conditions are based on lowest cost to operate for a particular communication  
14 service.

15  
16 21. The wireless communication device of claim 18 wherein the  
17 conditions are based on quality of service for a particular communication network.

18  
19  
20 22. The wireless communication device of claim 17 wherein the  
21 instructions comprise service set identifier numbers of wireless area networks  
22 accessible by the user.

1           23. The wireless communication device of claim 17 wherein the  
2 instructions are further comprised to store service set identifier numbers accessible  
3 of wireless area networks accessible by the wireless communication device.

4  
5           24. The wireless communication device of claim 17 wherein the  
6 instructions are further comprised to store system identification number (SID) and  
7 access information of cellular networks accessible by the wireless communication  
8 device.

9  
10          25. The wireless communication device of claim 17 further comprising a  
11 GPS module configured to receive RF signals from GPS satellites through the  
12 antenna module and analog to digital converter indicating location of the wireless  
13 communication device.

14  
15          26. The wireless communication device of claim 25 wherein the  
16 instructions are further comprised of map that indicates to a user relative location  
17 of the wireless communication device.

18  
19          27. A processor in a wireless communication device comprising:  
20 means for receiving information describing an RF signal from an antenna  
21 module which receives the RF signal from a communication network;  
22 means for determining location of the wireless communication device in  
23 relation to the communication network;  
24 means for transmitting instructions from the antenna module for service  
25 providers to forward calls to a particular carrier network.

1  
2 28. A processor in a wireless communication device comprising:  
3 means for receiving information describing an RF signal from an antenna  
4 module which receives GPS signals;  
5 means for locating the wireless communication device and communication  
6 networks available to a user through the information; and  
7 means for transmitting instructions from the antenna module for service  
8 providers to forward calls to a particular carrier network.  
9

10 29. A computer-readable medium comprising computer-executable  
11 instructions for sending call forward instructions, the computer-executable  
12 instructions comprising instructions for:

13 locating a wireless communication device;  
14 finding communication networks available to a user of the wireless  
15 communication device;  
16 determining whether to forward calls to a carrier network supporting a  
17 particular communication network;  
18 sending call forwarding instructions to all service providers of the user to  
19 the carrier network if so determined.  
20

21 30. The computer-readable medium of claim 29 wherein the locating is  
22 performed by a GPS locator of the wireless communication device.  
23  
24  
25

1           31.    The computer-readable medium of claim 29 wherein the locating is  
2 performed by communicating by the wireless communication device to an access  
3 point on a wireless area network.

4  
5           32.    The computer-readable medium of claim 29 wherein the finding is  
6 performed by assessing a database of the wireless communication device and  
7 comparing the determined location of the wireless communication device.

8  
9           33.    The computer-readable medium of claim 29 wherein the determining  
10 is performed based on lowest cost to operate communication service.

11  
12           34.    The computer-readable medium of claim 29 wherein the  
13 determining is performed based on quality of service of communication service.

14  
15           35.    A system comprising:  
16           a wireless communication device to locate its user relative to one or more  
17 communication networks accessible by the user;  
18           one or more service providers which receive instructions by the wireless  
19 communication device to forward received calls to a carrier network; and  
20           a telecommunication network to send the forwarded calls to a  
21 communication device of the user.

22  
23           36.    A system comprising:  
24           a wireless communication device;

1           one or more access points on a wireless area network, wherein the wireless  
2 communication device communicates with the wireless area network through an  
3 access point; and

4           a communication device on the wireless area network that receives  
5 forwarded calls as instructed by the wireless communication device.